

WHAT IS CLAIMED IS:

1. An electro-optic device, comprising:
  - a substrate;
  - data lines extending in one direction above the substrate;
  - scanning lines extending in a direction orthogonal to the data lines above the substrate;
  - switching elements to which scanning signals are supplied from the scanning lines, the switching elements being disposed above the substrate;
  - pixel electrodes to which image signals are supplied from the data lines through the switching elements, the pixel electrodes being disposed above the substrate, the substrate having an image display area including the pixel electrodes and the switching elements, and a peripheral area at a periphery of an image display area;
  - storage capacitors that hold an electrical potential at the pixel electrodes for a predetermined time, the storage capacitors being disposed above the image display area;
  - first wiring that supplies capacitor electrodes of the storage capacitors with a predetermined electrical potential, the first wiring being disposed above the image display area; and
  - a frame formed as the same film as the first wiring, the frame being disposed at at least a part of a frame area between the image display area and the peripheral area.
2. The electro-optic device according to claim 1, the frame covering at least a sampling circuit that supplies the data lines with the image signals.
3. The electro-optic device according to claim 1, the first wiring being formed of the same film as the capacitor electrodes to which the predetermined electrical potential is supplied, the first wiring being continuous with the capacitor electrodes in a same plane.
4. The electro-optic device according to claim 1, the frame having at least one of separated segments as a strip having a floating potential.
5. The electro-optic device according to claim 1, further comprising:
  - a counter substrate opposing the substrate; and
  - a sealing member that bonds the substrate with the counter substrate;
  - the frame being disposed at at least a part of a sealing area where the sealing member is disposed.
6. The electro-optic device according to claim 1, further comprising:
  - a counter substrate opposing the substrate; and
  - a counter electrode disposed above the counter substrate;

the frame including a connecting portion electrically coupled with the counter electrode.

7. The electro-optic device according to claim 1, the frame being formed so as to be electrically coupled with the first wiring.

8. The electro-optic device according to claim 6, the connecting portion being disposed at a corner of the counter substrate.

9. The electro-optic device according to claim 1, the frame surrounding the entire periphery of the image display area.

10. The electro-optic device according to claim 6,  
the image display area having a generally rectangular shape in plan view,  
the frame having a first pattern along three continuous sides of the rectangle  
and a second pattern along a remaining side of the rectangle and separate from the first pattern, and

the connecting portion being disposed on the first pattern.

11. The electro-optic device according to claim 6,  
the image display area having a generally rectangular shape in plan view,  
the frame having a third pattern along two opposing sides of the rectangle and  
a fourth pattern along a remaining two sides of the rectangle and separate from the third pattern, and

the connecting portion being disposed on the third pattern.

12. The electro-optic device according to claim 6,  
the image display area having a generally rectangular shape in plan view,  
the frame having a fifth pattern continuously formed around the rectangle  
except for a corner of the rectangle and a sixth pattern disposed at the corner and separate from the fifth pattern, and

the connecting portion being disposed on at least one of the fifth pattern and the sixth pattern.

13. The electro-optic device according to claim 1, further comprising:  
external circuit-connecting terminals disposed along an edge of the substrate,  
the external circuit-connecting terminals being disposed above the peripheral area; and  
second wiring continuous with the external circuit-connecting terminals, the  
second wiring being disposed above the peripheral area;

at least a part of the second wiring being formed of the same film as the first wiring and being formed so as to be electrically coupled with the first wiring.

14. The electro-optic device according to claim 13, the first wiring being disposed above the data lines with an insulating interlayer disposed therebetween.

15. The electro-optic device according to claim 13, the first wiring being disposed directly under a layer having the pixel electrodes.

16. The electro-optic device according to claim 13,  
the first wiring not being electrically coupled with the frame,  
a first portion of the second wiring being electrically coupled with the first wiring,  
a second portion of the second wiring being electrically coupled with the frame,  
the first portion being connected with a first portion of the external circuit-connecting terminals, and  
the second portion being connected with a second portion of the external circuit-connecting terminals.

17. The electro-optic device according to claim 1, the first wiring comprising a light-shielding material.

18. The electro-optic device according to claim 1, the first wiring having a layered structure comprising different materials.

19. The electro-optic device according to claim 1, further comprising:  
a counter substrate opposing the substrate; and  
a light-shielding film above the counter substrate,  
the frame being disposed so that the frame is overlapped by the light-shielding film.

20. The electro-optic device according to claim 19, the light-shielding film comprising a frame-shaped light-shielding film disposed along an edge of the counter substrate.

21. Electronic equipment, comprising the electro-optic device according to claim 1.